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## BRT-Burleson Research Technologies, Inc.

August 31, 2000

Annie Jarabek  
US EPA

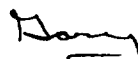
Dear Annie:

I am sending the histopathology data for the 90 Day 50 mg/kg/day study done by Doug Wolf. I am sending this as an addendum to the final report. I am sending a copy to TERA by overnight mail.

Please do not hesitate to contact me if you have any questions.

With best wishes.

Sincerely,



Gary R. Burleson, Ph.D.

**AMMONIUM PERCHLORATE: EFFECT ON IMMUNE FUNCTION**

**BRT 19990524 Study Protocol  
Plaque-Forming Cell (PFC) Assay**

**BRT19990525 Study Protocol  
Local Lymph Node Assay (LLNA) in Mice**

**Sponsor:** PSG  
Michael Girard

**Study Monitor:** Michael L. Dourson, PhD, DABT  
Joan Dollarhide  
TERA  
1757 Chase Avenue  
Cincinnati, OH 45223

**Submitted by:** BRT-Burleson Research Technologies, Inc.  
5706 Chapel Hill Road  
Raleigh, NC 27607

**Addendum to Report:**

**AMMONIUM PERCHLORATE: EFFECT ON IMMUNE FUNCTION**

**BRT 19990524 Study Protocol: Plaque-Forming Cell (PFC) Assay**

**BRT19990525 Study Protocol: Local Lymph Node Assay (LLNA) in Mice**

**Histopathology Results for 90 Day Ammonium Perchlorate (50 mg/Kg/day):**

- There were no alterations in the 5 control mouse thyroids
- 4/5 of the high dose 90 day mice had hypertrophy and 5/5 had colloid depletion

There was a slight increase in labeling index in the 5 high dose 90 day mice: a doubling of the labeling from 3.8 $\pm$ 1.9 labeled cells for control thyroid to 9.4 $\pm$ 3.8 labeled cells for high dose 90 day thyroids

The significance of a doubling of LI has never been determined for any tissue. A slight increase without hyperplasia probably indicates a physiologic response to treatment and not a preneoplastic response.